

#### **WHAT IS CLAIMED IS**

1. A method for purifying an enzyme, comprising causing selective aggregation and precipitation of a contaminant enzyme by the use of a surfactant.
2. The method of claim 1, wherein the surfactant is cationic.
3. A method for purifying acylase, comprising causing selective aggregation and precipitation of contaminant enzyme by the use of a cationic surfactant.
4. The method of claim 3, wherein the acylase is cephalosporin C acylase, and the contaminant enzyme is deacetylase.
5. The method of claim 3 or claim 4, wherein the cationic surfactant is of a methyl type or a benzyl type.
6. The method of claim 5, wherein the cationic surfactant is alkyl(palm)dimethylbenzyl ammonium chloride.
7. The method of any of claims 3 to 6, wherein the cationic surfactant is used in a concentration of 0.1-0.6%.
8. A method for regenerating an immobilized enzyme carrier, comprising allowing a protease to act on an immobilized enzyme to remove the enzyme from the carrier, said immobilized enzyme being prepared by binding the enzyme with the carrier and optionally crosslinking the enzymes by the use of a crosslinking agent after binding.
9. The method of claim 8, wherein the carrier is a synthetic adsorbent or an ion exchange resin.
10. The method of claim 8 or claim 9, wherein the carrier has fine pores.
11. The method of any of claims 8 to 10, wherein the enzyme is cephalosporin C

acylase.

12. The method of any of claims 8 to 11, wherein the protease is an acidic protease.